—Standard Valves—

4046-A VALVE

PENTODE.

SPECIFICATION.

Cathode.

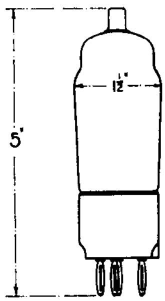
Indirectly heated oxide coated.

Constant voltage type.

Base.

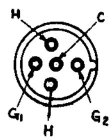
Standard British 5-pin. Anode connected to top cap type B.

Bulb metallised and connected to cathode.



Dimensions.

Max. overall length	5¼" (13·3 cms.)
Bulb diameter	1½" (3·8 cms.)
Net weight	0·13 lbs. (60 gms.)



Constants.

Heater voltage	4 volts
Nominal heater current	0·95 amp.
*Impedance	800,000 ohms
*Amplification factor	2,400
Grid–anode capacity	0·007 $\mu\mu$F.
Input capacity	10·7 $\mu\mu$F.
Output capacity	8 $\mu\mu$F.

* *at* $V_p = 200$, $V_{g2} = 100$, $V_{g1} = -1{\cdot}5$ Volts.

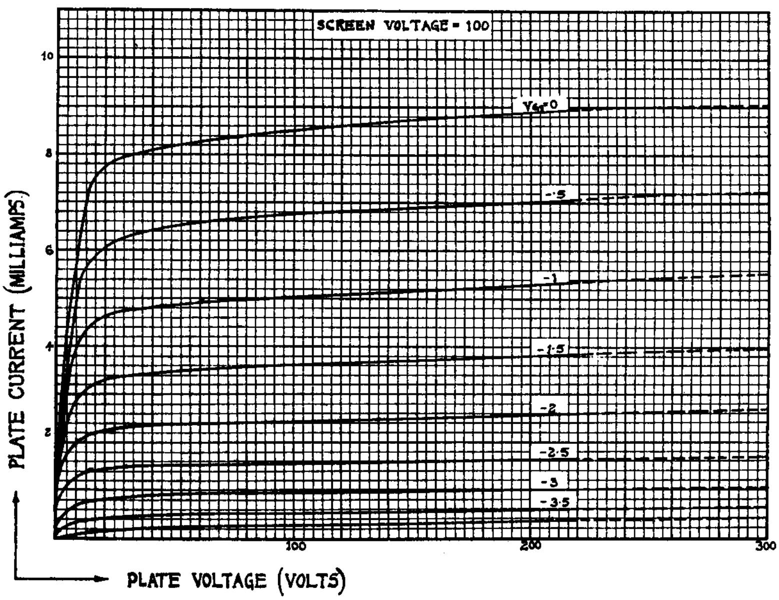
LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage	250 volts
Maximum direct screen voltage	100 volts

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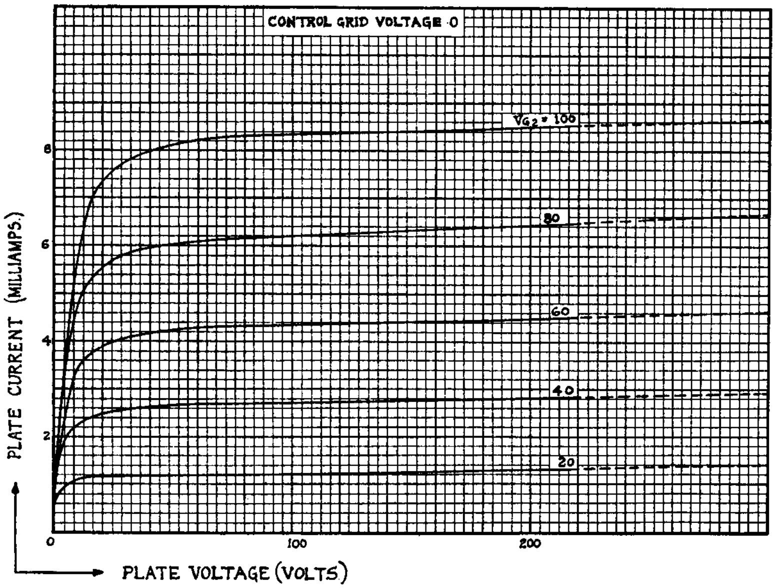
TYPICAL OPERATING CONDITIONS.

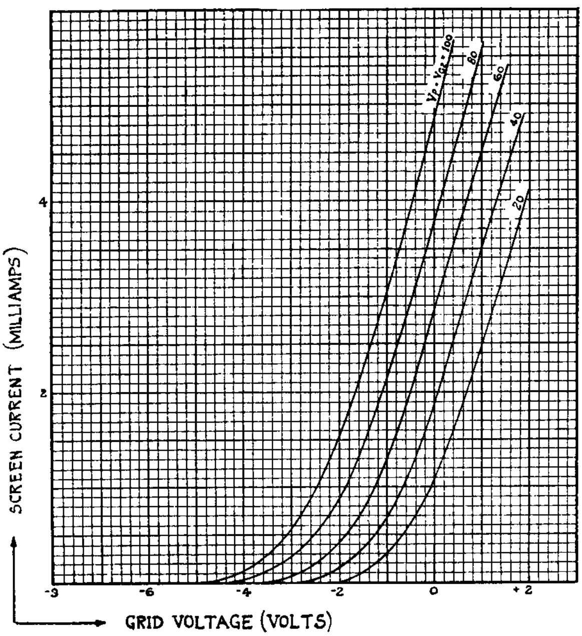
Anode voltage	250	200	150 volts
Control grid bias	—1·5	—1·5	—1·5 volts
Screen grid voltage	100	100	100 volts
Anode current	3·9	3·8	3·7 mA.
Anode resistance	800,000	800,000	800,000 ohms
Load	50,000	46,000	30,000 ohms
Output	0·315	0·258	0·175 watts
2nd harmonic — %	8·6	8·75	11·5
— db	21·3	20·7	19



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